

Rat Anti-nuclear ELISA Kit | ANA elisa kit

Rat Anti-nuclear Antibody ELISA Kit

CATALOG #
AAA86255

REACTIVITY
Rat

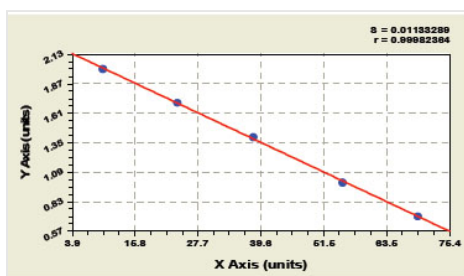
PRODUCT SYNONYMS

Anti-nuclear; Rat Anti-nuclear Antibody ELISA Kit; Anti-nuclear Antibody (Rat); ANA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ANAb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ANAb. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



ADDITIONAL INFORMATION

Related Product Information for ANA elisa kit

Principle of the assay: ANAb ELISA kit applies the competitive enzyme immunoassay technique utilizing Nuclear antigen and an ANAb-HRP conjugate. The assay sample and buffer are incubated together with ANAb-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ANAb concentration since ANAb from samples and ANAb-HRP conjugate compete for the Nuclear antigen binding site. Since the number of sites is limited, as more sites are occupied by ANAb from the sample, fewer sites are left to bind ANAb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANAb concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ANA elisa kit

Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	3738222
NCBI GeneID	10950
UniProt Accession #	Q14201; Q53XV1; Q96ET7; D3DSC4; Q6IAU3; Q9UHB2
Molecular Weight	29,116 Da
NCBI Official Full Name	ANA
NCBI Official Synonym Full Names	BTG family, member 3
NCBI Official Symbol	BTG3
NCBI Official Synonym Symbols	ANA; TOB5; TOFA; TOB55; MGC8928
NCBI Protein Information	protein BTG3; protein Tob5; OTTHUMP00000083229; OTTHUMP00000083230; B-cell translocation gene 3; abundant in neuroepithelium area protein
UniProt Protein Name	Protein BTG3
UniProt Gene Name	BTG3
UniProt Synonym Gene Names	ANA; TOB5
UniProt Entry Name	BTG3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ana-rat-elisa-kits/anti-nuclear/86255>